

## YADONG JIANG

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Dr Nicholas A Alexander  
Room 0.37b, Queen's Building  
University Walk  
Bristol, BS8 1TR  
United Kingdom

Dear Dr Alexander:

I am writing to apply for the Research Associate position of the project SAFER, which was advertised on your university website. As a near complete PhD candidate at the Istituto Universitario di Studi Superiori di Pavia (IUSS), I am expecting to graduate in May 2018. I am extremely interested in obtaining your Research Associate at the University of Bristol, where I can continue my research on earthquake engineering and step into the first stage of my academic career.

I obtained my bachelor degree in Civil Engineering at Tongji University, where I developed a solid background in structural engineering. As an MSc and PhD candidate in Earthquake Engineering and Engineering Seismology, I have a very strong background in structural engineering and dynamics. During the course study period of my MSc and PhD, I had taken the courses (e.g. Fundamentals of Seismic Design, Seismic Design of Foundations, Seismic Isolation and Dissipation, e.t.c), which I believe can be useful for your projects. Within my research works in MSc and PhD period, I have experience in conducting experimental tests on Concrete-filled Steel Tubes. Moreover, I had worked at the Hong Kong Polytechnic University as an exchange student in 2017, where I had assisted the preparation of specimens and coupon tests of steel properties. Therefore, I believe that I had enough experimental tests experience.

Despite my solid background in Earthquake Engineering, I have also skills to use software tools to assist my research works. Throughout my undergraduate and postgraduate study, I had developed good programming skills in Matlab, Python, C++ etc. I have used the programs to deal with large sets of data, generating graphs.

During my MSc and PhD period, I have published more than 10 journal and conference papers as first author or second author. So I am experienced in authoring research papers. During my MSc and PhD period, I have attended 5 conferences (e.g. STESSA15, 16WCEE, EuroSteel2017, etc. ) and presented my research findings orally.

During my PhD research, I had assisted my supervisors to guide the master final project of two MSc students from IUSS. In the exchange period in HongKong PolyU, I had also collaborated with PhD student of the host university to investigate the study of Octagonal CFST columns.

As approaching the end of my PhD period, I am looking for a suitable research position to start my academic career. The University of Bristol, which is very strong on engineering, only in the UK, but also all over the world, attracts me. Your research group, which is specifically in Earthquake Engineering and have lots of achievements in the previous year, had attracted me. I think your group is very suitable for me, not only in aspects of my research interests but also be good to my academic career.

As a high standard research group, I understand that the competition for the Research Associate position is hard. I believe that my academic capability and efforts would contribute to your research group demands.

Sincerely,  
Yadong Jiang